

Converting Colors

CIELCh(18, 20.716, 168.014)

Have a look what the booklet for
CIELCh(18, 20.716, 168.014)
contains.

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Color

CIELCh(18, 20.788, 167.761)

Conversions

Conversions Part 1

Format	Color
Hex	003325
RGB	0, 51, 37
RGB Percent	0%, 20%, 15%
CMY	0.9994, 0.7993, 0.8543
CMYK	1.00, 0.00, 0.27, 0.80
HSL	164°, 99%, 10%
HSV	164°, 100%, 20%
XYZ	1.5296, 2.5180, 2.1687
YIQ	34.1550, -25.9020, -15.1660

Conversions

Conversions Part 2

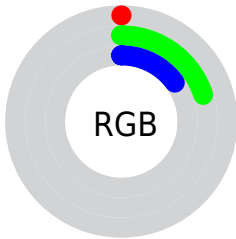
Format	Color
RYB	0, 30, 51
Decimal	13093
CIELab	18.00, -20.32, 4.41
CIELCh	18, 20.788, 167.761
Yxy	2.5180, 0.2461, 0.4051
Android (android.graphics.Color)	4278203173 (0xFF003325)
YUV	34.1550, 1.4026, -29.9539
Hunter-Lab	15.8683, -10.5633, 3.0047

Details

The CIELCh color **18, 20.788, 167.761** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **7, 26.650, 9.938**, and the grayscale version is **13, 0.003, 296.813**.

A 20% lighter version of the original color is **38, 20.766, 168.466**, and **0, 0.000, 0.000** is the 20% darker color. If you saturate the color by 10%, you get **18, 20.840, 167.733**, and if you desaturate by 10%, it is **18, 19.154, 168.760**.

Distribution



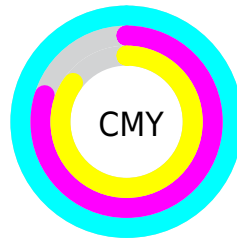
- Red (0%)
- Green (20%)
- Blue (15%)



- Red (0%)
- Yellow (12%)
- Blue (20%)



- Cyan (100%)
- Magenta (0%)
- Yellow (27%)
- Black (80%)





- Cyan (100%)
- Magenta (80%)
- Yellow (85%)


Brightness & Saturation Gradients

These gradients show how the CIELCh color 18, 20.788, 167.761 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 18, 20.788, 167.761 by changing the saturation by 10% instead.

 18, 20.788,
167.761


 18, 20.788,
167.761


 100, 20.788,
167.761


 8, 20.788, 167.761


 38, 20.788,
167.761

 0, 20.788, 167.761

 48, 20.788,
167.761


 58, 20.788,
167.761


 68, 20.788,
167.761


 78, 20.788,
167.761


 88, 20.788,


167.761


 98, 20.788,
167.761


 18, 20.788,
167.761


 18, 20.788,
167.761


 18, 20.840,
167.733

 18, 19.154,
168.760

 18, 17.584,
169.982

 19, 15.915,
171.244

 19, 14.038,
172.399

 19, 11.977,
173.460

■ 19, 9.760, 174.443

■ 20, 7.416, 175.361

■ 20, 4.977, 176.228

■ 21, 2.470, 177.072

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



18, 20.788, 167.761



7, 26.650, 9.938

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



18, 20.788, 167.761



18, 20.788, 217.761



18, 20.788, 347.761



18, 20.788, 37.761

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



18, 20.788, 167.760



26, 9.288, 175.195



18, 34.406, 133.700



12, 6.193, 175.133



66, 0.008, 296.813



13, 0.003, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18, 20.788, 167.760



24, 25.007, 166.627



14, 14.016, 231.803



9, 1.405, 177.200



33, 31.029, 165.598



77, 60.732, 163.688

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



7, 26.650, 9.938



11, 32.483, 15.163



9, 23.432, 34.425



8, 1.436, 358.297



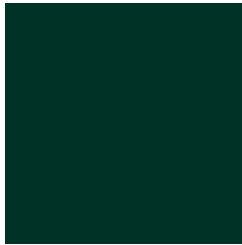
17, 40.305, 18.765



46, 78.899, 24.023

Previews

White Background



This preview shows how the CIELCh color 18, 20.788, 167.761 looks on a white background.

Color Contrast Check

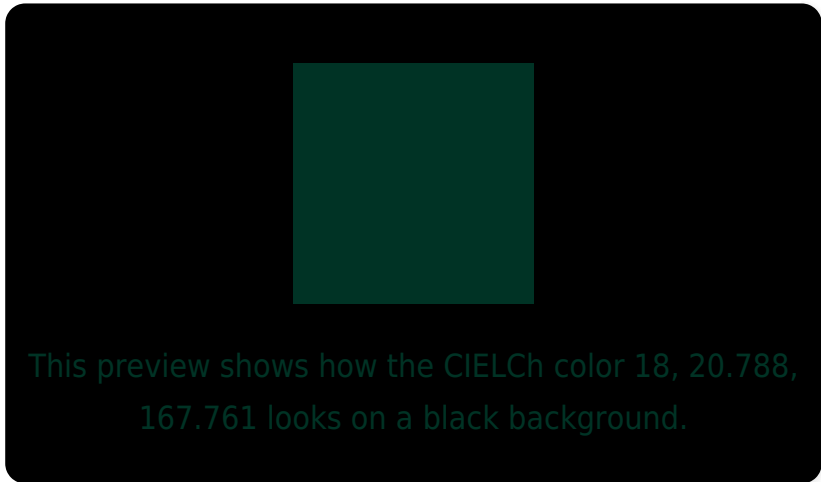
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

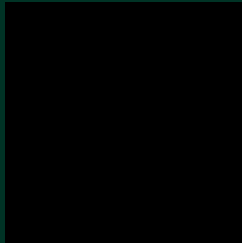
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 18, 20.788, 167.761

Background



This preview shows how black text looks on a background with the CIELCh color 18, 20.788, 167.761.



This preview shows how white text looks on a background with the CIELCh color 18, 20.788, 167.761.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

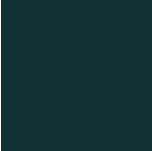
Dichromacy



Original Color
18, 20.788, 167.761

Protanopia
18, 7.672, 96.705

Deuteranopia
18, 4.879, 54.151



Tritanopia
18, 11.892, 210.808

Trichromacy



Original Color
18, 20.788, 167.761

Protanomaly
18, 11.289, 150.186

Deuteranomaly
18, 8.313, 156.035

Tritanomaly
18, 14.395, 188.264

Monochromacy



Original Color
18, 20.788, 167.761

Achromatopsia
13, 0.003, 296.813

Achromatomaly
14, 8.956, 173.954

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 18, 20.788, 167.761 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 51, 37)` looks like.

```
.text, #text, p{  
    color:rgb(0, 51, 37)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 51, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 51, 37) }
```

Border

The CSS property to change the border of an element to CIELCh 18, 20.788, 167.761 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 51, 37) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 51, 37) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 51, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 51, 37); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 51, 37); box-shadow:4px  
4px 4px 4px rgb(0, 51, 37) }
```

Background

The CSS property to change the background color of an element to CIELCh 18, 20.788, 167.761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 51, 37) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 51,  
37) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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